Geophysical research letters

Supporting Information for

Collapse of the North American ice saddle 14,500 years ago caused widespread cooling and reduced ocean overturning circulation

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Introduction

This supporting information contains figures showing the HadCM3 model results for sea ice, precipitation and evaporation as they are described in the main manuscript (Section 3.2).

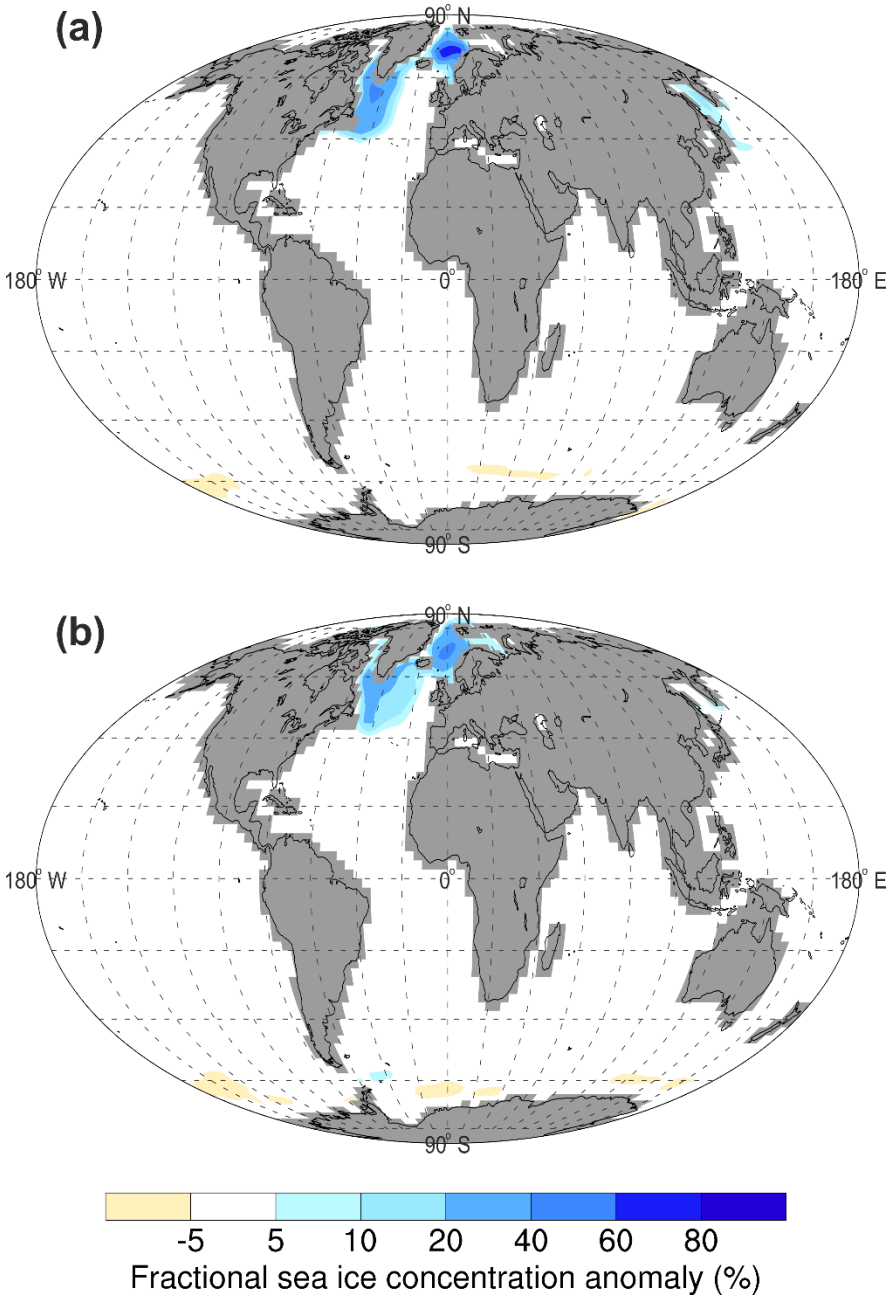

Figure S1. Sea ice cover anomaly at 14.4 ka (*SC_south* minus *NoSC_south*, 100 year mean) in **(a)** December-January-February and **(b)** June-July-August.

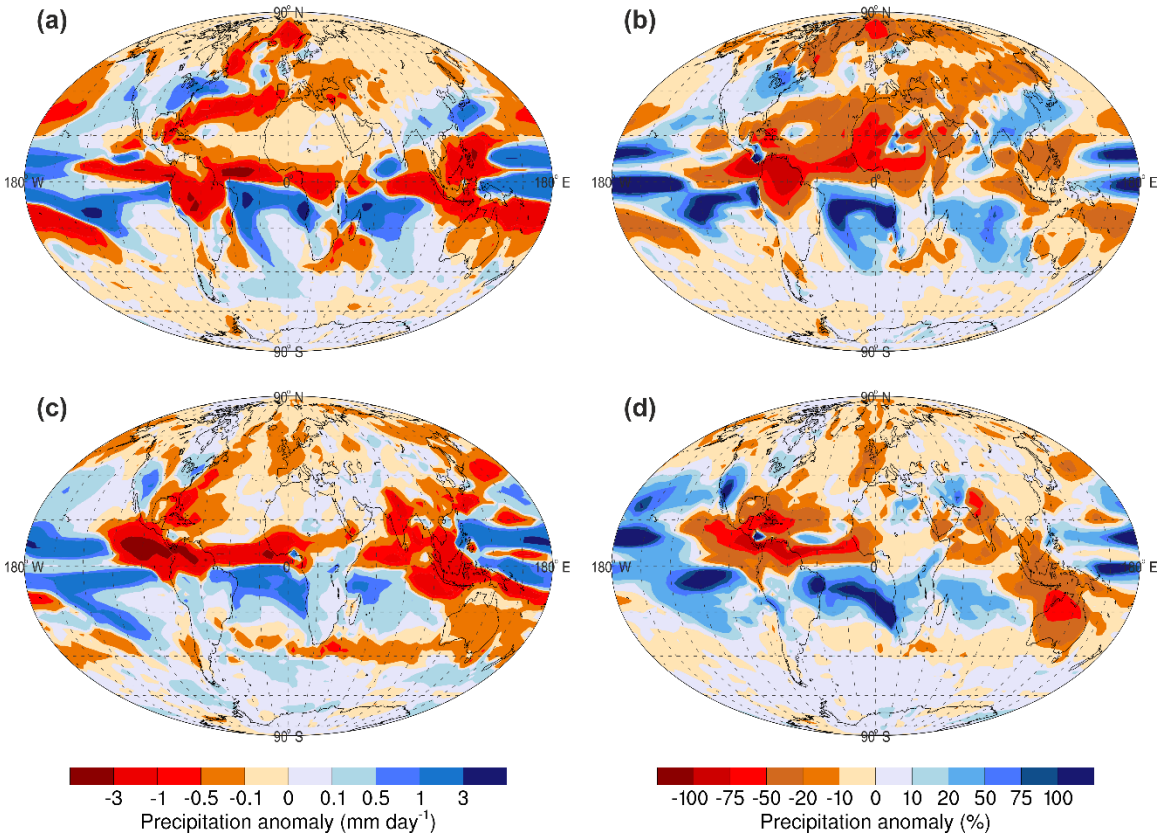

Figure S2. Precipitation anomaly at 14.4 ka (*SC_south* minus *NoSC_south*, 100 year mean) in **(a)** and **(b)** December-January-February, **(c)** and **(d)** June-July-August. **(a)** and **(c)** expressed in terms of absolute anomaly. **(b)** and **(d)** expressed in terms of percentage change.

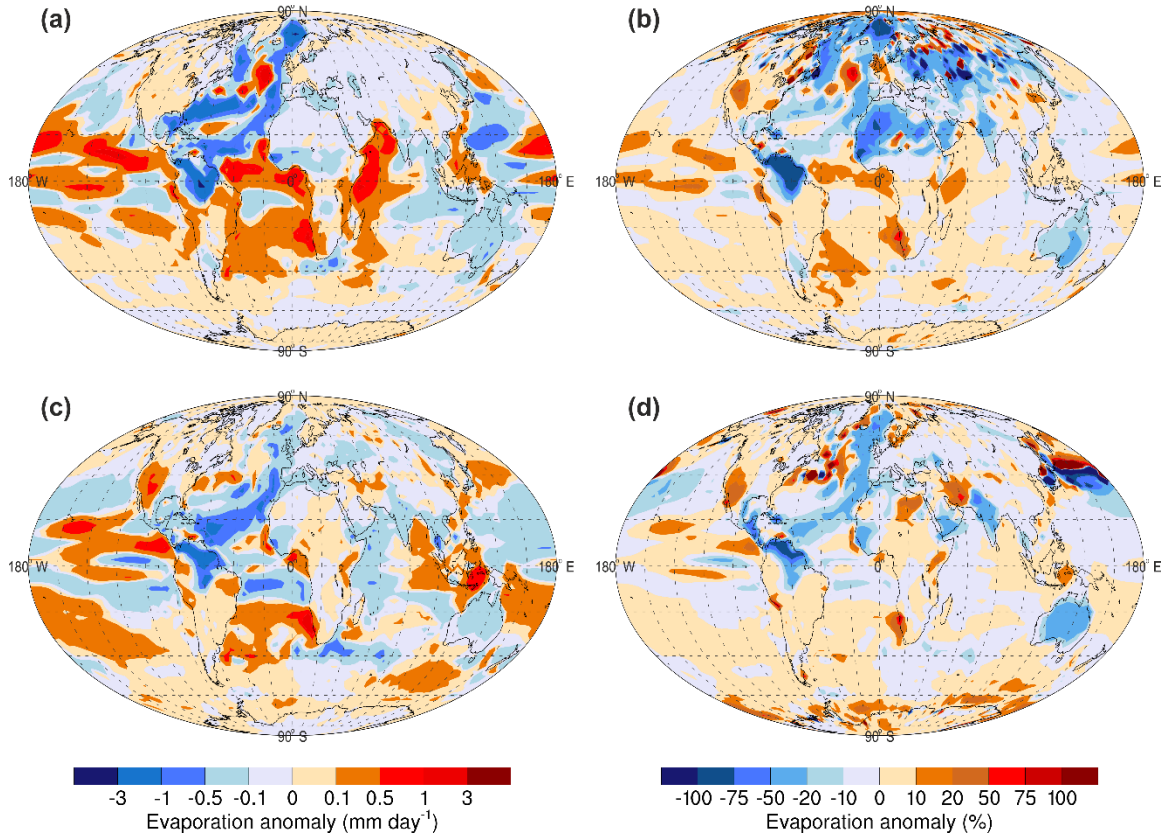

Figure S3. Evaporation anomaly at 14.4 ka (*SC_south* minus *NoSC_south*, 100 year mean) in **(a)** and **(b)** December-January-February, **(c)** and **(d)** June-July-August. **(a)** and **(c)** expressed in terms of absolute anomaly. **(b)** and **(d)** expressed in terms of percentage change.